## Course Syllabus

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|---|---|
| **Code - Course Title** | **ARY307 - Scientific Research Methods** |
| **Course Type** | V. SEMESTER |
| **Laboratory + Practice** | 3+0 |
| **ECTS** | **4.0** |
| **Language of Instruction** | Türkçe |
| **Course Type** | Required Courses |
| **Course Instructor(s)** | ÖĞR. GÖR. SERKAN OLGAÇ |

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| **Mode of Delivery** | The mode of delivery of this course is Face to face |
| **Prerequisites** | There is no prerequisite or co-requisite for this course. |
| **Courses Recomended** | There is another lesson will be useful for the student taking this course. |
| **Recommended Resources** | Büyüköztürk, Ş., Kılıç, E., Akgün, Ö. E., Karadeniz, Ş., & Demirel, F. (2008). Bilimsel Araştırma Yöntemleri. Ankara: Pegem Akademi Yayıncılık. |
| **Work Placement** | There is no work placement in this course. |

## Course Syllabus

| Weeks | Learning Outcomes | Topics | Teaching Methods |
|---|---|---|---|
| **Week - 1** | | Science Scientific Research Introduction to Research Methods | |
| **Week - 2** | | Determination of Research Topic Defining the Problem | |
| **Week - 3** | | Determination of the Research Sample | |
| **Week - 4** | | Measurement Levels Measuring Tools Validity and Reliability | |
| **Week - 5** | | Descriptive Research | |
| **Week - 6** | | Correlational Research | |
| **Week - 7** | | Causal-Comparative Research | |
| **Week - 8** | | ExperimentalResearch | |
| **Week - 9** | | Single Subject Research | |
| **Week - 10** | | Statistical Analysis | |
| **Week - 11** | | Qualitative Research | |
| **Week - 12** | | ActionResearch | |
| **Week - 13** | | Reporting the Research | |

## Course Syllabus

| Weeks | Learning Outcomes | Topics | Teaching Methods |
|---|---|---|---|
| Week - 14 | | Ethics in Research | |

## Learning Outcomes

| # | Learning Outcome |
|---|---|
| 1 | Will be discuss the basic conteps about science and scientific research. |
| 2 | Will be describe the procedure of scientific reaearch. |
| 3 | Will be discuss the research methods. |
| 4 | Will be explain the preparing the research report. |

## Sustainable Development Goals

*No content has been provided.*

## Course Theme

*No content has been provided.*

## AKTS Workload

| Activity | Duration (Hour) | Count | Workload |
|---|---|---|---|
| Teorik Derse Katılım | 0 | 0 | 0 |
| Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı) | 0 | 0 | 0 |
| Ödevler | 0 | 0 | 0 |
| Proje - Rapor - Sunum Hazırlama | 0 | 0 | 0 |
| Ara Sınav Hazırlığı (sınav süresi dahil) | 0 | 0 | 0 |
| Final Sınavı Hazırlığı (sınav süresi dahil) | 0 | 0 | 0 |
| Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.) | 0 | 0 | 0 |
| Staj Uygulaması | 0 | 0 | 0 |
| | | **Calculated ECTS** | **0** |

## Assessment Method and Passing Requirements

*No content has been provided.*